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Department of Energy

13 DOE 12956

MAIL ROOM

SECTION 7/28

DATE

JUL 16 1993

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HATMAN, J.  
ZELL, K.  
AROL, M.S.  
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DAMS, J.J.  
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BAUN, R.L.  
UFFY, G.G.  
OFFMAN, R.B.  
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OCKHART, F.R.  
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LINGER, S.  
ASK, W.C.  
USCITTO, D.G.  
CHASSBURGER  
BRACKEN, K.T.  
RETHEL, Y.  
ARGRAVES, M.  
JICKS, D.A.  
HUFFMAN, G.N.  
MALCHESKI, D.  
MCCORMICK, M.S.  
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OSTMEYER, R.M.  
PEWTSCH, E.  
POSLOSZNY, J.  
RAMPE, J.  
REECE, J.  
STEWART, J.D.  
VANDERPUY, M.  
WALLIN, B.

Singh

EM-453 (J. Ciocco, 3-7459)

Comments for Operable Unit 1 (OU-1) Quarterly Report for Interim Measures (IM)/Interim Remedial Action (IRA), April 1993.

R. Schassburger, Rocky Flats Office

The Office of Southwestern Area Programs, Rocky Flats (RF) Branch (EM-453), has reviewed the "Quarterly Report for January through March 1993, OU-1 IM/IRA Treatment Facility and is providing the attached comments. In general, the report was good, and the majority of the comments could be used to improve future reports. Some of the comments, however, refer to particular items in this report. Please address all of these comments in the document finalization process.

Please contact me at (301) 903-8191, or Jeff Ciocco at (301) 903-7459 if you have any questions.

*for* Jeff Ciocco  
Autar Rampertaap  
Chief  
Rocky Flats Branch  
Rocky Flats/Albuquerque Production Division  
Office of Southwestern Area Programs

Attachment  
cc w/o attachment:  
R. Greenberg, EM-453  
J. Hartman, RF

cc w/attachment:  
D. Singh, RF



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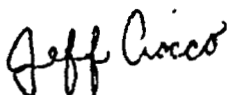
REPLY TO  
ATTN OF: EM-453 (J. Ciocco, 3-7459)

SUBJECT: Comments for Operable Unit 1 (OU-1) Quarterly Report for Interim Measures (IM)/Interim Remedial Action (IRA), April 1993.

TO: R. Schassburger, Rocky Flats Office

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*for*   
Autar Rampertaap  
Chief  
Rocky Flats Branch  
Rocky Flats/Albuquerque Production Division  
Office of Southwestern Area Programs

Attachment  
cc w/o attachment:  
R. Greenberg, EM-453  
J. Hartman, RF

cc w/attachment:  
D. Singh, RF

EM-453 comments on: Quarterly Report for January through March 1993,  
Operable Unit (OU) 1  
Interim Measures/Interim Remedial Action (IM/IRA)  
Treatment Facility, April 1993

GENERAL COMMENTS

1. The report would benefit by discussing details of the performance of the drain. To the extent possible, specific values or estimates should be provided. The general statements made in the report make it difficult to evaluate the effectiveness of the drain and treatment facility.
2. Some analytical results should be provided. The document lacks any specific results to evaluate the levels of contamination or the extent of treatment.

SPECIFIC COMMENTS

1. Section 1.0, p. 2, first paragraph: A french drain is not similar to an underground dam. A slurry wall is similar to an underground dam. Please use a more specific description of the workings of a french drain.
2. Section 2.0, p. 2, second paragraph: The statement that the waters from the sources converge into the french drain does not seem to make sense. Does this mean that water collected from the footing drain and the well are pumped into a common area with french drain water or does it mean exactly what is stated, i.e., that the water from these other sources is placed into the french drain. Please clarify.
3. Section 2.1, p. 2, third paragraph: Please clarify how the flow rates were determined if flow meters were not installed.
- ~~4. Section 2.1, p. 4, second paragraph: Please provide a rough estimate of the amount of groundwater captured by the french drain. An estimate of the gallons per minute (gpm) is provided on the footing drain; a rough order of magnitude estimate could be provided regarding the french drain.~~
5. Section 5.1, p. 7, fifth paragraph: Please provide an explanation for the disposition of the 105,000 gallons of water which represents the difference between influent and effluent. Same comment applies to the difference discussed on the totals for the year.
6. Section 5.2, p. 8, second paragraph: Please provide an explanation as to why the Applicable or Relevant and Appropriate Requirements (ARARs) for Total Dissolved Solids (TDS) for tank T-

206 were excessive. The total amount of water in the tank should also be given.

7. Section 6.0, p. 9, third paragraph: A map showing the location of the wetlands mitigation area should be provided.
  8. Section 8.0, p. 10, Table 3: A summary of the sampling results should be included in this table.
  9. Section 8.1, p. 11, first paragraph: The specific reviewers, by organizational affiliation, should be provided. This documents whether the review was internal or external and whether it included the regulatory agencies.
  10. Section 9.0, p. 11: The addition of the flow meters should be discussed in this section. Any planned upgrades in the facilities operation or maintenance should be discussed in this section. This section should also discuss any additional monitoring that is planned for the next quarter.
  11. Section 10.0, p. 11, sixth paragraph: The conclusion reached in this paragraph, i.e. that the french drain is preventing groundwater from reaching the South Interceptor Ditch, is unclear. Does this refer to the geographic location of the ditch or is the reference to groundwater actually appearing in the ditch? Please clarify.
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